

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 32   | "439"/\$.ccls. and (Pc adj connector)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/03 09:07 |
| L2    | 111  | "439"/\$.ccls. and (control adj connector)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/03 09:01 |
| L3    | 11   | 2 and disconnect  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/03 09:02 |
| L4    | 133  | "439"/\$.ccls. and (disconnect same automatic)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/03 09:07 |
| L5    | 30   | 4 and voltage   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/03 09:08 |
| L6    | 28   | ("2427390"   "3475715"   "3936123"   "4045106"   "4118690"   "4157855"   "4314735"   "4508404"   "4542284"   "4586768"   "4778400"   "4850886"   "5083042"   "5211569"   "5266040"   "5293296"   "5453899"   "5635690"   "5645439").PN. OR ("5800189"). URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | ON      | 2007/01/03 09:13 |
| L7    | 13   | ("2688734"   "3475715"   "3784958"   "4820176"   "5266040"   "5434509"   "5645439"   "5800189"   "6249417").PN. OR ("6540533"). URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | ON      | 2007/01/03 09:50 |

## EAST Search History

|     |    |  |  |    |    |                  |
|-----|----|--|--|----|----|------------------|
| L8  | 0  | computer same (supply adj voltage)<br>same (automatic adj disconnect)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/03 12:12 |
| L9  | 60 | computer same (supply adj voltage)<br>same disconnect  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/03 09:52 |
| L10 | 43 | 9 same (connector switch)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/03 09:53 |
| L11 | 37 | ("4641261"   "4862355"   "5289580"<br>  "5428748"   "5488657"  <br>"5497067"   "5574859"   "5577213"<br>  "5586268"   "5598409"  <br>"5606672"   "5615344"   "5634074"<br>  "5655148"   "5671355"  <br>"5673031"   "5687346"   "5701429"<br>  "5794033"   "5802558"  <br>"5838907"   "5898861"   "5982879"<br>  "6012103"   "6038667"  <br>"6049870").PN. OR ("6249825").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/01/03 10:00 |
| L12 | 13 | ("1859125"   "3891919"   "4095262"<br>  "4276576"   "5083042").PN. OR<br>("5453899").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/01/03 11:14 |
| L13 | 75 | (computer adj supply adj voltage)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/03 11:18 |
| L14 | 7  | 13 same connector  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/03 11:15 |

## EAST Search History

|     |     |   |  |    |    |                  |
|-----|-----|---|--|----|----|------------------|
| L15 | 623 | (computer adj voltage)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/03 11:19 |
| L16 | 0   | 15 same connector same (voltage adj sensor) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/03 11:19 |
| L17 | 3   | 15 same connector same disconnect\$4        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/03 11:21 |
| L18 | 119 | 15 same (connector switch)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/03 11:22 |
| L19 | 9   | 18 same disconnect\$4                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/03 11:25 |
| L20 | 0   | 18 same (automatic adj disconnect)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/03 11:23 |
| L21 | 0   | 15 same (automatic adj disconnect)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/03 11:23 |

## EAST Search History

|     |        |  |  |    |     |                  |
|-----|--------|--|--|----|-----|------------------|
| L22 | 15     | 15 same disconnect\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 11:33 |
| L23 | 1      | ("6987334").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/01/03 11:33 |
| L24 | 9      | ("20030234780"   "4176288"  <br>"4581571"   "4670810"   "4820938"<br>  "5003578"   "5491721"  <br>"6107698"   "6282451").PN. OR<br>("6987334").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/01/03 12:11 |
| L25 | 1135   | 307/140.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 12:11 |
| L26 | 9      | 25 and computer same (supply adj<br>voltage)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 12:12 |
| L27 | 10     | ("4317056"   "4427899"   "5404542"<br>  "5463261"   "5587867").PN. OR<br>("5753982").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/01/03 13:49 |
| L28 | 334996 | (voltage source supply) same<br>computer   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 13:50 |
| L29 | 46115  | 28 same (connector switch)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 13:50 |

## EAST Search History

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| L30 | 2158 | 29 same disconnect\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 13:53 |
| L31 | 597  | 30 same (sense detect\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 13:57 |
| L32 | 1    | ("6961856").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/01/03 13:57 |
| L33 | 13   | ("4647721"   "5113294"   "5329178"<br>  "5359540"   "5424903"  <br>"5721934"   "5904591"   "5978923"<br>  "6151649"   "6437951"  <br>"6501195"   "6622250"  <br>"6657534").PN. OR ("6961856").<br>URPN.                           | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/01/03 14:32 |
| L34 | 1    | BADER-UNAL  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/03 15:16 |
| S1  | 402  | 307/130.ccls.   | US-PGPUB;<br>USPAT   | OR | ON  | 2006/12/27 11:02 |
| S2  | 261  | S1 and (switch\$5 PC (single adj<br>pole))  | US-PGPUB;<br>USPAT   | OR | ON  | 2006/03/09 10:58 |
| S5  | 5    | switch\$5 and (PC adj connector)<br>and (single adj pole)   | US-PGPUB;<br>USPAT   | OR | ON  | 2006/03/10 10:13 |
| S6  | 1    | ("6028423").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2006/03/09 11:02 |
| S7  | 18   | ("3346811"   "4290146"   "4290297"<br>  "4677536"   "4734873"  <br>"4758779"   "4875006"   "4939446"<br>  "4996478"   "5021647"  <br>"5107202"   "5136237"   "5164662"<br>  "5181026"   "5311116"  <br>"5414345"   "5583444").PN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2006/03/09 11:28 |
| S8  | 43   | S1 and connector  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2006/03/09 11:36 |

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|     |    |  |                              |    |     |                  |
|-----|----|--|------------------------------|----|-----|------------------|
| S9  | 3  | "6660950"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/09 11:36 |
| S10 | 1  | ("6660950").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2006/03/09 11:36 |
| S11 | 31 | ("0692004"   "0750953"   "1227936"<br>  "2688734"   "3475715"  <br>"3699284"   "4508404"   "4630878"<br>  "5083042"   "5266040"  <br>"5448630"   "5586900"   "5645439"<br>  "5661786"   "5774543"  <br>"5800189"   "5818931"   "5857868"<br>  "5864106"   "5938767"  <br>"6062883"   "6167612"   "6315585"<br>  "6480005"   "RE28545").PN. OR<br>("6660950").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/09 11:40 |
| S12 | 11 | ("4734651"   "5627473"   "5744966"<br>  "5777480"   "5831438"  <br>"5877622"   "6081124"  <br>"6316951").PN. OR ("6480005").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/09 11:50 |
| S13 | 1  | ("4658212").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/09 13:10 |
| S14 | 4  | ("4173736"   "4254495"   "4620282"<br>  "4654580").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/09 13:10 |
| S15 | 5  | ("5201670"   "5230635"   "5476390"<br>  "5630727"   "6120308").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/09 13:12 |
| S16 | 33 | ("4311883"   "4446708"   "4518823"<br>  "4584856"   "4679226"  <br>"4694492"   "4763351"   "4812994"<br>  "4879645"   "4901068"  <br>"4907268"   "5018190"   "5050041"<br>  "5148534"   "5250767"  <br>"5280581"   "5341510"   "5355507"<br>  "5361296"   "5388211"  <br>"5402492"   "5440619"   "5448630"<br>  "5455921"   "5485570"  <br>"5506990"   "5537544"   "5774058"<br>  "5774543"   "5836010").PN. OR<br>("5938767").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/09 13:21 |
| S17 | 17 | ("4137556"   "4782498"   "5267301"<br>  "5530703"   "5608662"  <br>"5663819"   "5699414"   "5706507"<br>  "5822404"   "5832212"  <br>"5852653"   "5884025"   "5889958"<br>  "5938767"   "5960416"  <br>"6320948"   "6442106").PN. OR<br>("6671357").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/09 13:31 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S18 | 12   | ("5325490"   "5473766"   "5530887"   "5551012"   "5610801"   "5678011"   "5734872"   "5848250"   "5987553"   "6052794"   "6066981"   "6161177").PN. | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/03/09 13:57 |
| S19 | 9    | ("4079440"   "4538073"   "5010293"   "5374887"   "5572395").PN. OR ("5729062").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/03/09 14:14 |
| S20 | 9    | ("5274343"   "5350957"   "5731607"   "5812939"   "5825227").PN. OR ("5990580").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/03/09 14:24 |
| S21 | 8    | ("5198697"   "5214785"   "5237698"   "5481732"   "5579252"   "5664203").PN. OR ("5883446").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/03/09 14:28 |
| S22 | 5    | ("4079440"   "4538073"   "5010293"   "5374887"   "5572395").PN.   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/03/09 15:23 |
| S29 | 3508 | communication same switching same (PC personal adj computer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/03/09 15:25 |
| S32 | 15   | S29 same (supply adj voltage)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/03/09 15:26 |
| S33 | 3    | ("4656623"   "5621731"   "5625685").PN.   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/03/09 15:42 |
| S34 | 2410 | data same switch\$5 same voltage same (present presence)  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/03/09 15:42 |
| S35 | 2474 | data same switch\$5 same voltage same (present presence)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/03/10 10:14 |
| S36 | 735  | S35 same (absence absent)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/03/09 15:43 |
| S37 | 23   | S36 same connector  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/03/09 15:43 |
| S38 | 6    | ("5799196"   "6012103"   "6101076"   "6105097"   "6128743"   "6363491").PN. OR ("6920569").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/03/09 16:13 |

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|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S39 | 1   | BADER-UNAL  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2007/01/03 15:16 |
| S40 | 113 | S35 and (single adj pole)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/03/09 16:30 |
| S41 | 0   | S40 and telecommunications  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/03/09 16:30 |
| S42 | 9   | ("4428020"   "5030857").PN. OR<br>("5522081").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/03/09 16:36 |
| S43 | 31  | ("4206444").PN. OR ("5198806").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/03/10 08:55 |
| S44 | 18  | ("4141006"   "4206444"   "4701946"<br>  "4723269"   "4740883"  <br>"4747041"   "5012233"   "5198806"<br>  "5289045"   "5396636"  <br>"5404541"   "5408668"   "5475295"<br>  "5477476").PN. OR ("6002340").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/03/10 10:13 |
| S45 | 529 | USB and RJ-45   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2006/03/10 10:13 |
| S46 | 1   | S45 and switch\$5 and (PC adj<br>connector) and (single adj pole)   | US-PGPUB;<br>USPAT                        | OR | ON | 2006/03/10 10:14 |
| S47 | 1   | S45 and data same switch\$5 same<br>voltage same (present presence)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/03/10 10:28 |
| S48 | 231 | (PC personal adj computer) and<br>connector and data and<br>(single-pole)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/03/10 10:31 |
| S49 | 2   | "250"/\$.ccls. and (PC personal adj<br>computer) and connector and data<br>and (single-pole)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/03/10 10:30 |
| S50 | 176 | S48 and switching   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/03/10 10:43 |
| S51 | 1   | S49 and voltage same (present<br>presence absence absent)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/03/10 10:32 |



## EAST Search History

|     |       |   |                              |    |     |                  |
|-----|-------|---|------------------------------|----|-----|------------------|
| S52 | 1     | ("6301628").PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/03/10 10:43 |
| S53 | 1     | ("5675813").PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/03/10 10:45 |
| S54 | 1     | ("5787298").PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/03/10 11:37 |
| S55 | 819   | (pc adj connector) (remote adj connector)   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/10 11:38 |
| S56 | 1     | S55 and supply adj voltage adj absent   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/10 11:39 |
| S57 | 126   | S55 and data same switch\$5   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/10 11:40 |
| S58 | 8     | S57 and voltage same (present presence absence absent)  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/10 11:41 |
| S59 | 28    | ("3865994"   "4503288"   "4533791"   "4578537"   "4672459"   "4731667"   "4736407"   "4739316"   "4752808"   "4759053"   "4802204"   "4827085"   "4829959"   "4839919"   "4849815"   "4850008"   "4860342"   "4864601"   "4873715"   "4878242"   "4885580"   "4908851"   "4916732"   "4918723"   "4922524"   "4991197"   "5197147"   "5253940").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 11:50 |
| S60 | 3340  | data same switch same powered   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 11:51 |
| S61 | 17    | S60 same unplugged  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 11:51 |
| S62 | 11    | ("3890601"   "4494114"   "4654640"   "5012514"   "5059948"   "5140631"   "5231375"   "5254973"   "5375243"   "5406260"   "5574786").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 12:02 |
| S63 | 95    | S60 same presence   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 12:02 |
| S64 | 15    | ("4939765"   "4969179"   "5005197"   "5025466"   "5157708").PN. OR ("5617466").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 12:22 |
| S65 | 34194 | isdn  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 12:23 |

## EAST Search History

|     |       |   |                              |    |     |                  |
|-----|-------|---|------------------------------|----|-----|------------------|
| S66 | 110   | S65 and S60   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 12:23 |
| S67 | 74    | S66 and (PC personal adj computer)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 12:24 |
| S68 | 28    | S67 and communication same switching  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 12:24 |
| S69 | 22    | ("5204896"   "5410713"   "5465291"   "5491721"   "5513361"   "5548711"   "5579524"   "5588054"   "5629694"   "5796580"   "5799069"   "5802305"   "5909671"   "6002436"   "6035408"   "6118856"   "6134616"   "6212643"   "6240521").PN. OR ("6658576"). URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 13:50 |
| S70 | 16446 | (isdn usb) and telecommunication  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 13:51 |
| S71 | 15880 | S70 and (connector connected connection)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 13:52 |
| S72 | 13479 | S71 and switch\$5   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 13:52 |
| S74 | 7367  | S72 and (PC personal adj computer) and data   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 13:53 |
| S75 | 35    | S74 and (single adj pole)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 13:54 |
| S76 | 38    | ("4393493"   "4497054"   "4905220"   "5010550"   "5014269"   "5038320"   "5150355"   "5198808"   "5321393").PN. OR ("5596569"). URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 15:16 |
| S77 | 1     | ("6028423").PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/03/10 15:17 |
| S78 | 1     | ("5736727").PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/03/10 15:19 |
| S79 | 1     | ("6580460").PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/03/10 15:19 |

## EAST Search History

|     |    |   |                              |    |     |                  |
|-----|----|---|------------------------------|----|-----|------------------|
| S80 | 14 | ("4928137"   "4961220"   "5210568"   "5313305"   "5493685"   "5784105"   "5875313"   "6191814").PN. OR ("6580460").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 15:24 |
| S81 | 1  | ("6753921").PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/03/10 15:25 |
| S82 | 1  | ("6983383").PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/03/10 15:25 |
| S83 | 6  | ("3631257"   "4044268"   "5517153"   "5818203"   "5898234"   "6295569").PN. OR ("6983383").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 15:29 |
| S84 | 1  | ("5511161").PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/03/10 15:29 |
| S85 | 26 | ("4204249"   "4318625"   "4433390"   "4439805"   "4464584"   "4489394"   "4551841"   "4553204"   "4586179"   "4593349"   "4654821"   "4663539"   "4677566"   "4701856"   "4782355"   "4866713"   "5019996"   "5203000").PN. OR ("5511161").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 15:35 |
| S88 | 1  | ("5068853").PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/03/10 15:40 |
| S89 | 48 | ("4548448" "5437044" "6155842" "5404407" "5625535" "4596390" "5605467" "5748912" "5909586" "6003100" "6139342" "6283775" "6295569" "6431892" "6513086" "6744150" "6766394" "6880095" "5312262" "5513079" "6350150" "6585431" "6623295" "4399394" "5268637" "4437717" "4556274" "4998884" "5253140" "5391095" "5606732" "5605473" "5773332" "6089922" "6164989" "6222726" "6222726" "6457992" "5392403" "5375037" "5486687" "4821150" "5730621" "6152765" "6213782" "6213782" "5262861" "5706426" "5909065" "5562507").pn. | US-PGPUB;<br>USPAT           | OR | ON  | 2006/03/10 15:40 |
| S90 | 17 | ("3414806"   "3611261"   "4903340"   "4915649"   "5061204"   "5127847"   "5273456"   "5347265"   "5463261"   "5606704"   "5674085"   "5754870"   "5757171"   "5944831"   "6149464"   "6415387").PN. OR ("6880095").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/03/10 15:41 |

## EAST Search History

|      |    |  |                              |    |    |                  |
|------|----|--|------------------------------|----|----|------------------|
| S91  | 9  | ("5067914"   "5228871"   "5236375"   "5397246"   "5584718"   "5674085").PN. OR ("6149464").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/10 15:43 |
| S92  | 4  | ("20040002266"   "5904578"   "6149464"   "6461199").PN. OR ("6755681").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/10 15:44 |
| S93  | 9  | ("5470251"   "5562489"   "6135809"   "6149464").PN. OR ("6364694").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/10 15:47 |
| S94  | 30 | "439"/\$.ccls. and (Pc adj connector)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/12/28 13:38 |
| S95  | 0  | ("2003/0064623").URPN.   | USPAT                        | OR | ON | 2006/03/10 15:55 |
| S96  | 10 | ("5451092"   "5769369"   "5836783"   "6007036"   "6034688"   "6038426"   "6092868"   "6257923"   "6386724").PN. OR ("6634904").URPN.                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/10 15:58 |
| S97  | 3  | ("5177665").PN. OR ("5836783").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/10 16:30 |
| S99  | 26 | ("5096441"   "5118312").PN. OR ("5244402").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/10 16:34 |
| S100 | 16 | ("3736547"   "4969836"   "5096441"   "5244402"   "6186835").PN. OR ("6350156").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/10 16:41 |
| S101 | 15 | ("5183404"   "5330360"   "5411405"   "5562463"   "5634802"   "5637018"   "5658152"   "5681176"   "5692921"   "5995373"   "6074253").PN. OR ("6213782").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/10 17:12 |
| S102 | 31 | ("5001659"   "5141446"   "5237488"   "5253142"   "5278725"   "5328379"   "5355279"   "5390075"   "5547144").PN. OR ("5995373").URPN.                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/10 17:14 |
| S103 | 33 | ("5162986"   "5204663"   "5301057"   "5410717"   "5490117"   "5551211"   "5566121"   "5606704"   "5668419").PN. OR ("5909586").URPN.                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/10 17:23 |

## EAST Search History

|          |    |   |                              |    |    |                  |
|----------|----|---|------------------------------|----|----|------------------|
| S10<br>4 | 39 | ("4498716"   "4769833"   "4799153"<br>  "4962449"   "4975950"  <br>"5128995"   "5144659"   "5144660"<br>  "5191583"   "5202997"  <br>"5268960"   "5289540"   "5317746"<br>  "5343525"   "5355489"  <br>"5361359"   "5384854"   "5414844"<br>  "5434562"   "5463632"  <br>"5475839"   "5499334"   "5509120"<br>  "5530455"   "5537540"  <br>"5542044"   "5559883"   "5564002"<br>  "5570367"   "5694472"  <br>"5778443"   "5815571"   "5896499"<br>  "5909586"   "5913037"  <br>"5923757"   "6108785").PN. OR<br>("6268789").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/10 17:29 |
| S10<br>5 | 18 | ("4290664"   "4392701"   "4944698"<br>  "5178554").PN. OR ("5391095").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/13 08:58 |
| S10<br>6 | 9  | (US-20020007459-\$).did. or<br>(US-6660950-\$ or US-5938767-\$ or<br>US-6671357-\$ or US-5198806-\$ or<br>US-4206444-\$ or US-6527721-\$ or<br>US-6634904-\$ or US-6202153-\$).<br>did.   | US-PGPUB;<br>USPAT           | OR | ON | 2006/03/13 12:11 |
| S10<br>7 | 3  | ("5406260" "6026492" "4647726").<br>pn.   | US-PGPUB;<br>USPAT           | OR | ON | 2006/03/13 12:12 |
| S10<br>8 | 10 | ("5406260" "6026492" "4647726"<br>"5556295" "5938767" "5661786"<br>"5774543" "5925128" "5406261"<br>"5142269").pn.  | US-PGPUB;<br>USPAT           | OR | ON | 2006/03/13 12:14 |
| S10<br>9 | 19 | ("4121201"   "4141006"   "4245245"<br>  "4654640"   "4860379"  <br>"4935725"   "4991123"   "5051723"<br>  "5091713"   "5142269"  <br>"5396636"   "5404544"   "5406260"<br>  "5432939"   "5568611"  <br>"5574786"   "5590376"   "5712973"<br>  "5742758").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/13 12:17 |
| S11<br>0 | 33 | ("4804943"   "4898009"   "5001460"<br>  "5034723"   "5043702"  <br>"5142269"   "5184798"   "5190466"<br>  "5231375"   "5239205"  <br>"5249298"   "5254973"   "5265238"<br>  "5340954"   "5388156"  <br>"5388211"   "5390514"   "5391928"<br>  "5394713"   "5400622"  <br>"5406261"   "5437235"   "5447045"<br>  "5463742"   "5502989"  <br>"5552776"   "5574786"  <br>"5579657").PN. OR ("5925128").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/03/13 12:28 |

## EAST Search History

|          |     |  |  |    |     |                  |
|----------|-----|--|--|----|-----|------------------|
| S11<br>1 | 507 | 439/502.ccls.  | US-PGPUB;<br>USPAT   | OR | ON  | 2006/03/17 15:31 |
| S11<br>2 | 1   | S111 and pc adj connector  | US-PGPUB;<br>USPAT   | OR | ON  | 2006/03/17 15:32 |
| S11<br>3 | 351 | S111 and (connector usb rj-45)   | US-PGPUB;<br>USPAT   | OR | ON  | 2006/03/17 15:33 |
| S11<br>4 | 204 | S113 and plug  | US-PGPUB;<br>USPAT   | OR | ON  | 2006/03/17 15:33 |
| S11<br>5 | 35  | S113 and plug adj connector  | US-PGPUB;<br>USPAT   | OR | ON  | 2006/03/17 15:37 |
| S11<br>6 | 803 | 439/638.ccls.  | US-PGPUB;<br>USPAT   | OR | ON  | 2006/03/17 15:37 |
| S11<br>7 | 89  | S116 and plug adj connector  | US-PGPUB;<br>USPAT   | OR | ON  | 2006/03/17 15:38 |
| S11<br>8 | 0   | S117 and PC adj connector  | US-PGPUB;<br>USPAT   | OR | ON  | 2006/03/17 15:37 |
| S11<br>9 | 11  | ("4290664"   "4362905"   "4611875"<br>  "4738635"   "5687213"  <br>"5930340"   "6135811"   "6141212"<br>  "6290543"   "6561852"  <br>"6733341").PN. OR ("6866547").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2006/03/17 16:10 |
| S12<br>0 | 6   | ("4362905"   "5328390"  <br>"5666408").PN. OR ("6561852").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2006/03/17 16:13 |
| S12<br>1 | 1   | BADER-UNAL   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/18 10:44 |
| S12<br>2 | 1   | ("6660950").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2006/12/18 10:44 |
| S12<br>3 | 646 | 307/130.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/18 11:45 |
| S12<br>4 | 548 | 361/90.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/18 11:46 |

## EAST Search History

|          |     |   |  |    |    |                  |
|----------|-----|---|--|----|----|------------------|
| S12<br>5 | 10  | S123 and S124   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/18 14:55 |
| S12<br>6 | 167 | switch same connector same<br>voltage same presen\$4 same<br>absen\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/18 14:57 |
| S12<br>7 | 17  | S126 same disconnect\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/18 14:57 |
| S12<br>8 | 10  | ("4900267"   "5336934"   "5435748"<br>  "5758414"   "5818673"  <br>"6528899").PN. OR ("6746250").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2006/12/18 17:27 |
| S12<br>9 | 646 | 307/130.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/27 11:03 |
| S13<br>0 | 2   | S129 and absent and present and<br>voltage  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/27 11:03 |
| S13<br>1 | 10  | ("4399439"   "4472691"   "5150083"<br>  "5204836"   "5309048"  <br>"5878052"   "6011450"   "6259834"<br>  "6377783"   "6492882").PN. OR<br>("6611070").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2006/12/27 14:23 |
| S13<br>2 | 18  | ("4263647"   "4349747"   "4481449"<br>  "4839533"   "4912384"  <br>"5278454"   "5319250"   "5319306"<br>  "5394017"   "5436788"  <br>"5629864"   "5687052"  <br>"5696679").PN. OR ("6392318").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2006/12/27 15:59 |

## EAST Search History

|          |     |  |  |    |     |                  |
|----------|-----|--|--|----|-----|------------------|
| S13<br>3 | 55  | (switch connector) same computer<br>same voltage same absen\$4 same<br>presen\$4 same detector | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/27 17:07 |
| S13<br>4 | 271 | computer same ((voltage adj<br>detector) (voltage adj sensor))<br>same (switch connector)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/27 17:08 |
| S13<br>5 | 0   | S134 same (remote adj source)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/27 17:09 |
| S13<br>7 | 1   | ("20050030680").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2006/12/27 17:18 |
| S13<br>8 | 1   | ("6200159").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2006/12/27 17:18 |
| S13<br>9 | 271 | computer same ((voltage adj<br>detector) (voltage adj sensor))<br>same (switch connector)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/28 11:16 |
| S14<br>0 | 125 | S139 same control  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/28 09:19 |
| S14<br>1 | 3   | S140 same protection   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/12/28 09:21 |



## EAST Search History

|          |        |   |  |    |    |                  |
|----------|--------|---|--|----|----|------------------|
| S14<br>2 | 676    | 710/72.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28 09:21 |
| S14<br>3 | 2      | S142 and (voltage adj detector)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28 09:25 |
| S14<br>4 | 505    | S142 and communication  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28 09:25 |
| S14<br>5 | 215    | S144 and connector  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28 09:25 |
| S14<br>6 | 141    | S145 and switch   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28 09:25 |
| S14<br>7 | 9      | ("5938770"   "6128743"   "6170062"<br>  "6230277"   "6272644"  <br>"6614483"   "6708278"   "6829726"<br>  "6845422").PN. OR ("7149906").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2006/12/28 10:22 |
| S14<br>8 | 208564 | computer same data same<br>communication  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28 10:23 |

## EAST Search History

|          |     |  |  |    |    |                  |
|----------|-----|--|--|----|----|------------------|
| S14<br>9 | 528 | S148 same switch same connector  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28 10:23 |
| S15<br>0 | 0   | S149 same ((voltage adj detector)<br>(voltage adj sensor))                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28 10:24 |
| S15<br>1 | 43  | S148 same ((voltage adj detector)<br>(voltage adj sensor))                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28 11:04 |
| S15<br>2 | 7   | (computer adj supply adj voltage)<br>same connector  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28 11:05 |
| S15<br>3 | 8   | ("5227957"   "5822547"   "5941963"<br>  "6011687"   "6145029").PN. OR<br>("6507882").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2006/12/28 11:08 |
| S15<br>4 | 3   | computer same ((voltage adj<br>detector) (voltage adj sensor))<br>same switch same connector | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28 11:17 |
| S15<br>5 | 5   | ("5630565"   "5808370").PN. OR<br>("5975651").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2006/12/28 11:25 |
| S15<br>6 | 1   | 2006-536095.NRAN.  | DERWENT  | OR | ON | 2006/12/28 13:38 |
| S15<br>7 | 32  | "439"/\$.cccls. and (Pc adj connector)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28 13:46 |

## EAST Search History

|          |    |  |  |    |    |                  |
|----------|----|--|--|----|----|------------------|
| S15<br>8 | 20 | "439"/\$.ccls. and connector and<br>(voltage adj detector) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28 13:46 |
|----------|----|--|--|----|----|------------------|